



中華人民共和國香港特別行政區政府總部食物及衛生局
Food and Health Bureau, Government Secretariat
The Government of the Hong Kong Special Administrative Region
The People's Republic of China

4 January, 2011

Dear Colleague,

**Seminars on Terminology Standard for eHR
15 and 16 February 2011**

I have the pleasure to invite the healthcare and IT professionals of your hospital/organization to join the subject seminars which are organized by the eHealth Record (eHR) Office of the Food and Health Bureau of the Government of the Hong Kong SAR.

Being an essential infrastructure for healthcare reform in Hong Kong, the territory-wide patient-oriented eHR Sharing System aims at providing an electronic platform for sharing patients' health records between the public and private healthcare sectors. Healthcare professionals in both public and private sectors would be able to enter, store and retrieve patients' health records, subject to patients' consents and proper authorization for access to the system, ultimately realizing the objective of "records follow patients".

Terminology is an integral part of health record documentation. Terminology standard will ensure data collected from various sources be accurately interpreted by different healthcare professionals. To equip the local healthcare sector with knowledge on terminology standards and their application on eHR sharing, we will be holding one half-day seminar and one full-day seminar on 15 February 2011 am and 16 February 2011 respectively. The target participants include clinical, health informatics, IT and laboratory staff of the healthcare sector.

The seminars will acquaint audiences with basic principles in terminology management. Hospital Authority's experience in building and the application of the Hospital Authority Clinical Vocabulary Table, and the management of terminology for future eHR will be shared. We are also delighted to have Dr KW FUNG from the US Department of Health and Human Services to share his valuable experience on terminology setting and management in US, see Annex 1 for Dr Fung's biography.

Two widely accepted terminologies to support the development of an interoperable eHR at the international level will be introduced, namely Systematized Nomenclature of Medicine-Clinical Terms (SNOMED CT) and Logical Observation Identifiers Names and Codes (LOINC), see Annex 2.

The details of the two seminars are as follows respectively:-

Date & Time	Event	Venue
15 February 2011 (9:00 am to 12:30 pm)	Preparing for Interoperability - Terminology Standard for eHR	Lecture Theatre, G/F, Centre for Health Protection, 147C Argyle Street, Kowloon (map attached in Annex 3)
16 February 2011 (9:00 am to 5:30 pm)	eHR Terminology Seminar on SNOMED CT & LOINC (see Annex 2)	Lecture Theatre, 7/F, Block H, Princess Margaret Hospital, 2-10 Princess Margaret Hospital Road, Lai Chi Kok, Kowloon (map attached in Annex 4)

Language: English & Cantonese

The program rundowns of the two seminars are attached. If you are interested in attending any one of them, please complete and return the attached reply slip for registration by fax no. 2300 7921 or via email ehr.enquiry@ha.org.hk before **21 January 2011 (Friday)**. We may not be able to accommodate all applications for individual sessions but we will notify you of the result by email before the event day.

I look forward to seeing you in the seminar. For enquiries, please contact Mr Victor Chan at 2300 7931 or via email ehr.enquiry@ha.org.hk.

Yours sincerely,



Dr Choy Khai-meng
Consultant (Public-Private Partnership)
eHealth Record Office

Preparing for Interoperability – Terminology Standard for eHR

Date & Time: 15 February 2011 (9:00 am – 12:30 pm)
Venue: Lecture Theatre, G/F,
Centre for Health Protection,
147C Argyle Street, Kowloon

Program Rundown

Time	Program
9:00 – 9:15 am	Registration
9:15 – 9:30 am	Introduction by Dr N T CHEUNG, Chief Medical Informatics Officer, Hospital Authority
9:30 – 10:30 am	Medical Terminologies: Why, What and How? by Dr K W FUNG, US Department of Health and Human Services
10:30 – 11:00 am	Terminology in Practice, The Hospital Authority Experience by Ms Maggie LAU, Health Informatician, Hospital Authority
11:00 – 11:15 am	Break
11:15 – 11:30 am	Hong Kong Clinical Terminology Table by Ms Vicky FUNG, Senior Health Informatician, Hospital Authority
11:30 – 11:45 am	The SNOMED Mapping Project by Ms Karen SZETO, Health Informatician, Hospital Authority
11:45 – 12:00 noon	Medication Terminology for eHR by Ms S C CHIANG, Senior Pharmacist, Hospital Authority
12:00 – 12:15 pm	Laboratory Terminology for eHR by Mr John MOK, Health Informatician, Hospital Authority
12:15 – 12:30 pm	Question & Answer

eHR Terminology Seminar on SNOMED CT & LOINC

Date & Time: 16 February 2011 (9:00 am – 5:30 pm)
Venue: Lecture Theatre, 7/F, Block H,
Princess Margaret Hospital
2-10 Princess Margaret Hospital Road,
Lai Chi Kok, Kowloon

Program Rundown

Time	Program
9:00 – 9:15 am	Registration
9:15 – 11:00 am	SNOMED CT
11:00 – 11:15 am	Break
11:15 – 12:30 pm	SNOMED CT
12:30 – 2:00 pm	Lunch
2:00 – 3:30 pm	SNOMED CT / LOINC
3:30 – 3:45 pm	Break
3:45 – 5:30 pm	SNOMED CT / LOINC

Topics on SNOMED CT:

- ◆ Introduction
- ◆ SNOMED CT Terminology Model
- ◆ SNOEMD Tables
- ◆ Subsets & Reference Sets
- ◆ Pre- / Post-coordination
- ◆ Mappings
- ◆ Data Retrieval
- ◆ Version Management / Updating Information

Topics on LOINC:

- ◆ Overview and Background
- ◆ Core Elements
- ◆ Mapping Challenges
- ◆ Usages in eHR and Implementation
- ◆ Relma

REPLY SLIP

Seminars on Terminology Standard for eHR

To: eHealth Record Office

Fax: 2300 7921 or Email: ehr.enquiry@ha.org.hk

The following representative(s) of our organization will attend the seminar **on 15 February 2011 (am)**

<u>Name</u>	<u>Post Title</u>

The following representative(s) of our organization will attend the tutorial **on 16 February 2011 (Full Day)**

<u>Name</u>	<u>Post Title</u>

Contact Person:

Post Title:

Organization:

Contact Telephone No.:

Fax No.:

Email:

Date:

Biography of Kin Wah Fung MB,BS, FRCSEd, FHKAM (Surgery), MSc, MA

Dr. Fung was a Consultant Surgeon with over 15 years of experience when he decided to take up a new challenge and became Senior Executive Manager (Health Informatics) at the Hong Kong Hospital Authority. For two years he was involved in the planning, coordination, implementation and enhancement of the Clinical Information Systems of Hong Kong's public hospitals. He subsequently obtained a Master of Arts (Biomedical Informatics) degree from Columbia University, New York. After graduation, he joined the U.S. National Library of Medicine, National Institutes of Health and became a Staff Scientist. His main research interest is in controlled medical terminologies. Because of his participation in the Unified Medical Language System (UMLS) Project, he acquired in-depth knowledge of many important medical terminologies such as SNOMED CT, ICD Classifications, LOINC and RxNorm. He also participates actively in International Health Terminology Standards Development Organization (IHTSDO) activities, and is currently the co-chair of the Mapping Special Interest Group, which tackles the need of mapping from SNOMED CT to various other terminologies. His research work is focused on the applied aspects of medical terminologies, aiming to promote adoption of terminology standards and remove barriers of implementation and usage. He has published and presented his work in multiple international journals and conferences. He also serves as reviewer for medical informatics journals and conferences.

Introduction to SNOMED CT & LOINC

Terminology is used to record clinical information; to facilitate the storage of clinical information; to support sharing and reuse of clinical information; to support efficient query formulation; to create a natural language output from manual structured input; and to support the application of decision support algorithms.

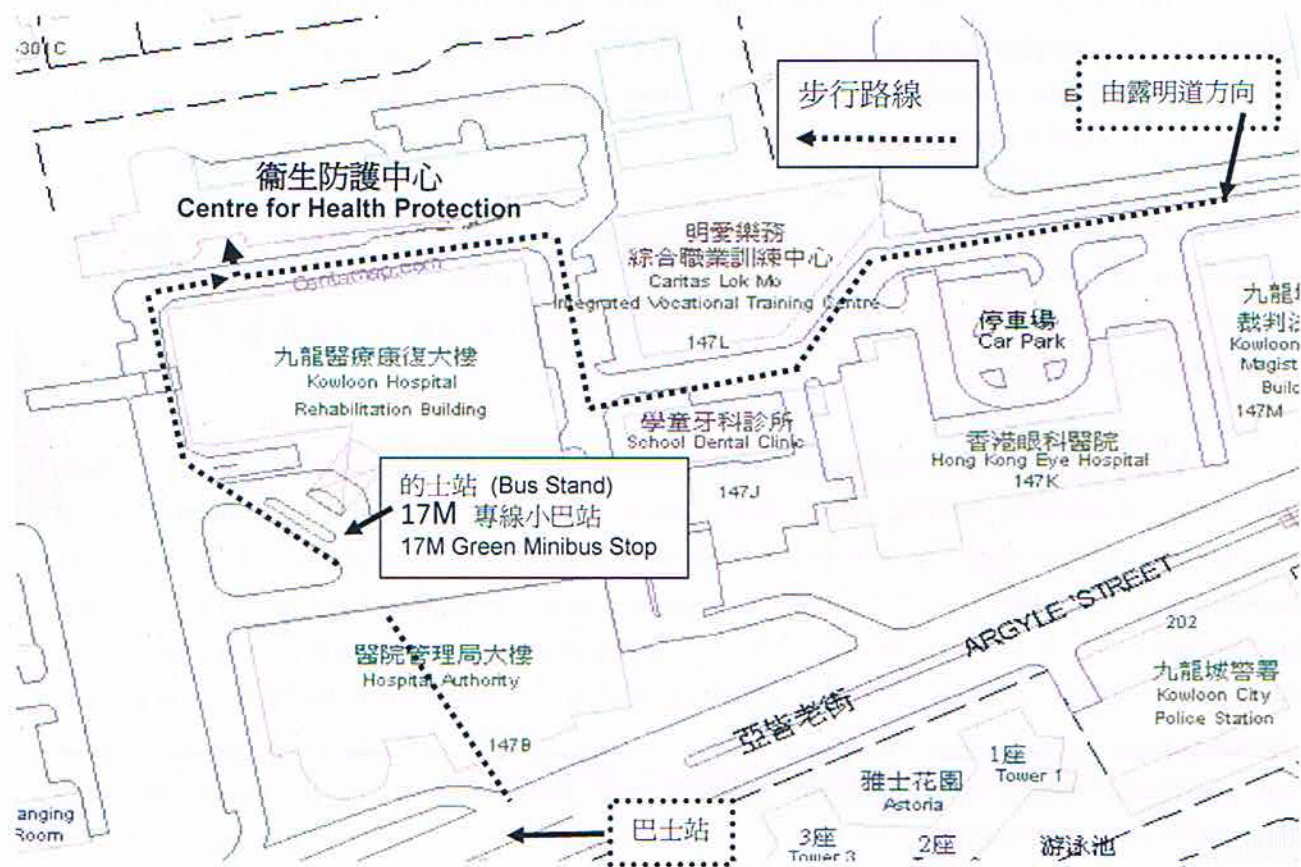
Systematized Nomenclature of **Medicine-Clinical Terms** (SNOMED-CT) is the most comprehensive, multilingual healthcare terminology in the world that cross mapped to other terminologies. It is maintained by the International Health Terminology Standards Development Organization (IHTSDO).

As the single largest healthcare terminology, SNOMED CT currently contains more than 300,000 active concepts covering various healthcare domains. All SNOMED CT concepts carry a computational unique meaning with formal logic-based definitions organized into hierarchies. It provides a common language that enables a consistent way of capturing, sharing and aggregating health data across specialties, sites of care and International boundaries. It allows clinician to communicate effectively and accurately across clinical domains and over the lifetime of patient records. Ultimately, patients will benefit from the use of SNOMED CT to more clearly describe and accurately record their care, in building and facilitating better communication and interoperability in electronic health record exchange, and in creating systems that support health care decision making. SNOMED CT has been selected as the terminology standard for sharing clinical data at the national eHR program at various countries, e.g. USA, Australia, Canada, and UK.

Logical Observation Identifiers Names and Codes (LOINC) is the clinical terminology for laboratories test and results initiated by the Regenstrief Institute in 1994. Its database provides a set of universal names and ID codes for identifying laboratory and clinical test results in the context of existing HL7, ASTM E1238, and CEN TC251 observation report messages.

This is to facilitate the exchange clinical results for clinical care, outcomes management, and research by providing a set of universal codes and names to identify. It contains more than 40,000 terms, which cover 17 laboratories specific disciplines and the database are available freely worldwide. LOINC records apply to all tests with equivalent clinical results. It is one of a suite of designated standards for use in U.S. Federal Government systems for the electronic exchange of laboratory data.

Location Map for the Centre for Health Protection



Location Map for the Princess Margaret Hospital

